

*Diagnosis and Treatment of Vascular Disease*

**ABSTRACT**

5       The present invention is based at least in part on the discovery of polymorphisms  
within the Factor VII (F7) gene. Accordingly, the invention provides nucleic acid molecules  
having a nucleotide sequence of an allelic variant of an F7 gene. The invention also provides  
methods for identifying specific alleles of polymorphic regions of an F7 gene, methods for  
determining whether a subject has or is at risk of developing a disease which is associated  
10   with a specific allele of a polymorphic region of an F7 gene, *e.g.*, a vascular disease, based  
on detection of one or more polymorphisms within the F7 gene, and kits for performing such  
methods. The invention further provides methods for identifying a subject who has, or is at  
risk for developing, a vascular disease or disorder as a candidate for a particular clinical  
course of therapy or a particular diagnostic evaluation. The invention further provides  
15   methods for selecting a clinical course of therapy or a diagnostic evaluation to treat a subject  
who is at risk for developing, a vascular disease or disorder.